## IN THE CLAIMS:

Amend the claims as follows.

Claims 1-74. (Canceled)

75. (Currently Amended) An isolated Hepatitis C virus polynucleic acid comprising a nucleotide sequence of one of the HCV types 7, 9 or 11, or of one of the subtypes 1d, 1e, 1f, 1g. 2e, 2f, 2g, 2h, 2i, 2k, 2l, 3g, 4k, 4l or 4m, wherein said types or subtypes comprise are characterized by the following prototype sequences:

SEQ ID NO: 43, 45, 47, 89, 91 or 93 for HCV type 7,

SEQ ID NO: 41 or 95 for HCV type 9,

SEQ ID NO: 99, 101, 103 or 105 for HCV type 11,

SEQ ID NO: 1, 3, 5, 7, 53, 55 or 57 for HCV subtype 1d,

SEQ ID NO: 9, 59 or 61 for HCV subtype 1e,

SEQ ID NO: 11 or 63 for HCV subtype 1f,

SEQ ID NO: 65 or 67 for HCV subtype 1g,

SEQ ID NO: 13, 15 or 69 for HCV subtype 2e,

SEQ ID NO: 17 or 71 for HCV subtype 2f,

SEQ ID NO: 19 for HCV subtype 2g,

SEQ ID NO: 21, 23 or 73 for HCV subtype 2h,

SEQ ID NO: 25 for HCV subtype 2i,

SEQ ID NO: 75 or 77 for HCV subtype 2k,

SEQ ID NO: 79 for HCV subtype 2I,

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SEQ ID NO: 81 for HCV subtype 3g,

SEQ ID NO: 27, 29, 31, 33, 35, 37 or 83 for HCV subtype 4k,

SEQ ID NO: 39 or 85 for HCV subtype 4l,

SEQ ID NO: 87 for HCV subtype 4m;

or the complement thereof.

Claims 76-78. (Canceled)

79. (Currently Amended) A polynucleic acid according to claim 75, wherein the polynucleic acid is selected from

(i) a polynucleic acid encoding an HCV polyprotein comprising in its amino acid sequence at least one amino acid sequence chosen from the group consisting of SEQ ID NOs: 107, 109, 110, 112-116, 120-133, 135-142, 144-147, 149-165, 167, 169-181, 183, 185-200, and 202-207,

(ii) or the complement of a polynucleic acid of (i).

Claim 80. (Canceled)

- 81. (Currently Amended) A recombinant polypeptide encoded by a polynucleic acid according to any of claims <u>75, 79, 86 and 87</u> <del>75 to 79</del>.
- 82. (Currently Amended) A method for production of a recombinant polypeptide, comprising:

transformation of a cellular host with a recombinant vector, in which a polynucleic acid according to any one of claims <u>75, 79, 86 and 87 <del>75 to 79 has been inserted under the control of regulatory elements, the polynucleic acid thus being an insert,</del></u>

culturing said transformed cellular host under conditions enabling the expression of said insert, and

harvesting said polypeptide.

- 83. (Currently Amended) A recombinant expression vector comprising a polynucleic acid according to any one of claims <u>75, 79, 86 and 87 <del>75 to 79 operably 100 to 1</u></del>
- 84. (Previously Presented) A host cell transformed with a recombinant vector according to claim 83.
- 85. (Currently Amended) A peptide corresponding to an amino acid sequence encoded by one of the polynucleic acids according to any one of claims <u>75, 79, 86 and</u> 87 <del>75 to 79</del>.
- 86. (New) A part of at least 5 contiguous nucleotides of the isolated Hepatitis C virus polynucleic acid of claim 75 wherein the amino acid sequence encoded by said part comprises at least one of the following amino acid residues:

L130, L140, I192, I230, E235, I255, I285, V2652, Q2653, K2663, A2667, I2707, A2709, L2746, T2752, A2692, S2749, S2753, H2656, L2708, D2657, M2686, F2730,

T218, L240, Y2730, V2752, D2753, V2667, Q2663, S2646, D2677, P2749 or G2753 for HCV type 7,

A195, K197, N217 K197, A242, M297, I255, T236, E135, A58, N71, D106, E150, N217, L235, L240, E260, I300, D2657, G2649, Q2663, F2727, T2728 or I2752 for HCV type 9,

E2686, K2746, Q2752, D2754, V44, L2708, A2692 or Q2663 for HCV type 11,

D60, D72, H81, F181, T190, H192, S217, Y223, M240, R272, I213, M216 or M297 for HCV subtype 1d,

A49, E68, A2650 or V2746 for HCV subtype 1e,

S148, T150, G160, S196, D199, D256, E257, T294, S295, I2745, I219, K217, I250, E2746, I230, S2753 or I255 for HCV subtype 1f,

H101, S110, Q153, F155, D157, A2719, E2729 or I15 for HCV subtype 1g,

Q199, F236, K250, R261, A294, Y299, H2697, S232, A71, M2686, D2752 or K296 for HCV subtype 2e,

P49, N197, F200, A208, F237, R250, A291, A2748, H199, I192, Y297, T236, A71 or M2686 for HCV subtype 2f,

L231, N249, V268, S301, I213 or M216 for HCV subtype 2g,

H199, K217, H232, Q233, F290, I299, A2648, I2741, H199 or M2686 for HCV subtype 2h,

A195, R197 or W231 for HCV subtype 2i,

Q55, E165, N199, T200, E296, P316, Q2686 or R2750 for HCV subtype 2k,

M2719, D2728, F2659 or M2686 for HCV subtype 2l,

K2692, Y2708, E2751, A2755, L2756, R2757 or D2752 for HCV subtype 3g,

1169, I192, T192, A222, A252 or N2752 for HCV subtype 4k,

S216, M256, S272, L2681, S2752 or E2746 for HCV subtype 4l,

Q2756 for HCV subtype 4m;

with said notation being composed of a letter representing the amino acid residue by its one-letter code, and a number representing the amino acid numbering as shown in Table 1; or the complement of thereof.

87. (New) A polynucleic acid encoding a HCV polyprotein comprising an amino acid sequence of one of the HCV types 7, 9 or 11, or of one of the HCV subtypes 1d, 1e, 1f, 1g, 2e, 2f, 2g, 2h, 2i, 2k, 2l, 3g, 4k, 4l or 4m, wherein said types or subtypes comprise (i) the following prototype sequences:

SEQ ID NO: 44, 46, 48, 90, 92 or 94 for HCV type 7,

SEQ ID NO: 42 or 96 for HCV type 9,

SEQ ID NO: 100, 102, 104 or 106 for HCV type 11,

SEQ ID NO: 2, 4, 6, 8, 54, 56 or 58 for HCV subtype 1d,

SEQ ID NO: 10, 60 or 62 for HCV subtype 1e,

SEQ ID NO: 12 or 64 for HCV subtype 1f,

SEQ ID NO: 66 or 68 for HCV subtype 1g,

SEQ ID NO: 14, 16 or 70 for HCV subtype 2e,

SEQ ID NO: 18 or 72 for HCV subtype 2f,

SEQ ID NO: 20 for HCV subtype 2g,

SEQ ID NO: 22, 24 or 74 for HCV subtype 2h,

SEQ ID NO: 26 for HCV subtype 2i,

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SEQ ID NO: 76 or 78 for HCV subtype 2k,

SEQ ID NO: 80 for HCV subtype 2I,

SEQ ID NO: 82 for HCV subtype 3g,

SEQ ID NO: 28, 30, 32, 34, 36, 38 or 84 for HCV subtype 4k,

SEQ ID NO: 40 or 86 for HCV subtype 4I,

SEQ ID NO: 88 for HCV subtype 4m;

or

(ii) a part of at least 5 contiguous amino acids of the amino acid sequence of part(i) wherein said part comprises at least one of the following amino acid residues:

L130, L140, I192, I230, E235, I255, I285, V2652, Q2653, K2663, A2667, I2707, A2709, L2746, T2752, A2692, S2749, S2753, H2656, L2708, D2657, M2686, F2730, T218, L240, Y2730, V2752, D2753, V2667, Q2663, S2646, D2677, P2749 or G2753 for HCV type 7,

A195, K197, N217 K197, A242, M297, I255, T236, E135, A58, N71, D106, E150, N217, L235, L240, E260, I300, D2657, G2649, Q2663, F2727, T2728 or I2752 for HCV type 9,

E2686, K2746, Q2752, D2754, V44, L2708, A2692 or Q2663 for HCV type 11,

D60, D72, H81, F181, T190, H192, S217, Y223, M240, R272, I213, M216 or M297 for HCV subtype 1d,

A49, E68, A2650 or V2746 for HCV subtype 1e,

S148, T150, G160, S196, D199, D256, E257, T294, S295, I2745, I219, K217, I250, E2746, I230, S2753 or I255 for HCV subtype 1f,

H101, S110, Q153, F155, D157, A2719, E2729 or I15 for HCV subtype 1g,

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Q199, F236, K250, R261, A294, Y299, H2697, S232, A71, M2686, D2752 or K296 for HCV subtype 2e,

P49, N197, F200, A208, F237, R250, A291, A2748, H199, I192, Y297, T236, A71 or M2686 for HCV subtype 2f,

L231, N249, V268, S301, I213 or M216 for HCV subtype 2g,

H199, K217, H232, Q233, F290, I299, A2648, I2741, H199 or M2686 for HCV subtype 2h,

A195, R197 or W231 for HCV subtype 2i,

Q55, E165, N199, T200, E296, P316, Q2686 or R2750 for HCV subtype 2k,

M2719, D2728, F2659 or M2686 for HCV subtype 2l,

K2692, Y2708, E2751, A2755, L2756, R2757 or D2752 for HCV subtype 3g,

1169, I192, T192, A222, A252 or N2752 for HCV subtype 4k,

S216, M256, S272, L2681, S2752 or E2746 for HCV subtype 4l,

Q2756 for HCV subtype 4m;

with said notation being composed of a letter representing the amino acid residue by its one-letter code, and a number representing the amino acid numbering as shown in Table 1; or

(iii) the complement of the nucleic acid of (i) or (ii).